

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082718\
 Data File : VN050889.D
 Acq On : 27 Aug 2018 11:16
 Operator : MD\SY
 Sample : VN0827MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827MBL01

Quant Time: Aug 28 01:36:02 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	606023	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	954942	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	824034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	261042	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	394279	54.04	ug/l	0.00
Spiked Amount			Recovery	=	108.08%	
35) Dibromofluoromethane	7.59	113	379216	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
50) Toluene-d8	10.09	98	1343324	47.29	ug/l	0.00
Spiked Amount			Recovery	=	94.58%	
62) 4-Bromofluorobenzene	12.40	95	346954	36.76	ug/l	0.00
Spiked Amount			Recovery	=	73.52%	

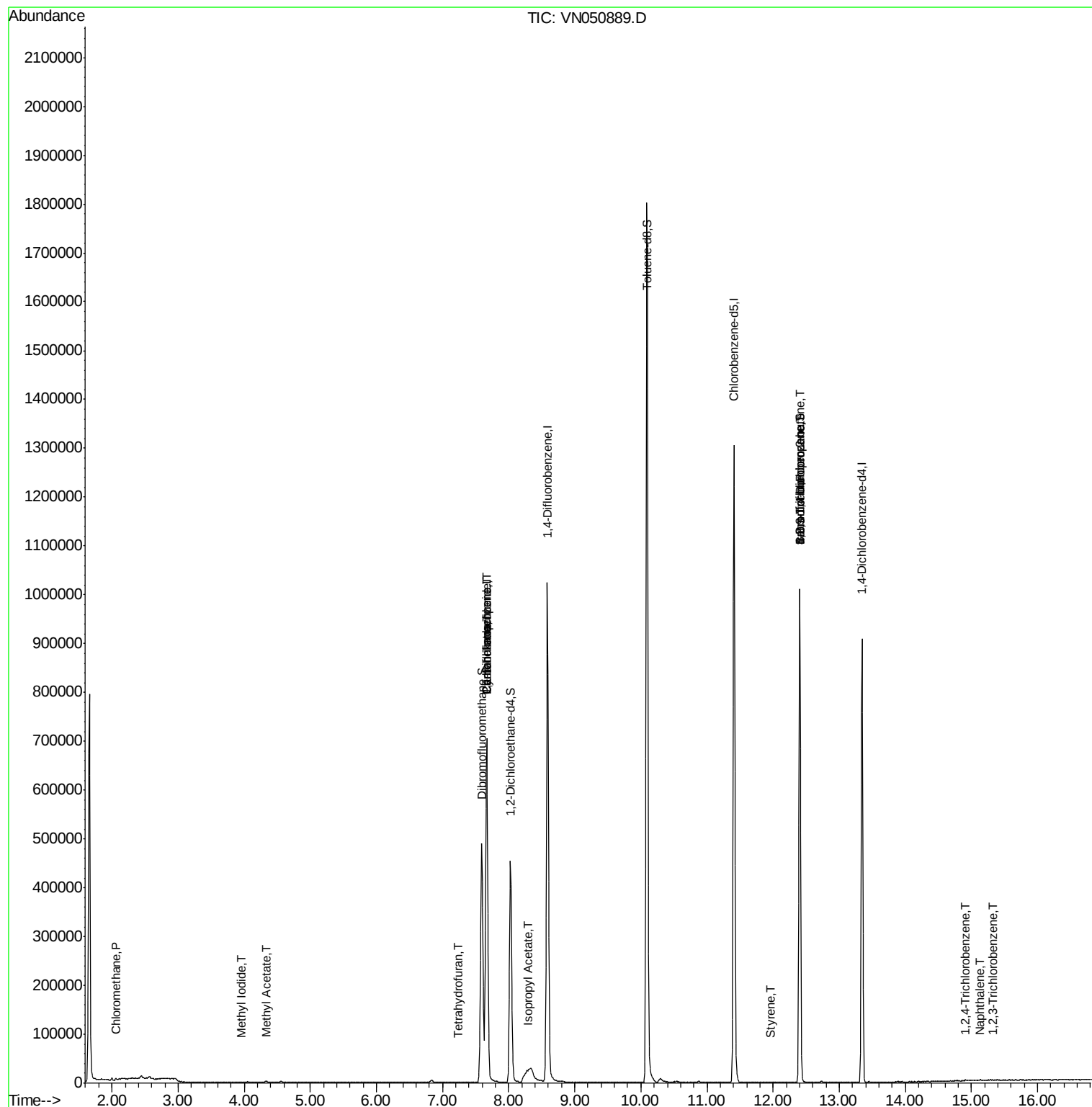
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2717	0.27	ug/l	92
5) Bromomethane	2.57	94	2806	Below Cal		94
10) Methyl Iodide	3.95	142	326	6.38	ug/l #	55
16) Acetone	3.82	43	1576	Below Cal		94
18) Methyl Acetate	4.34	43	5756	0.84	ug/l #	89
29) Tetrahydrofuran	7.22	42	528	0.31	ug/l #	52
31) Cyclohexane	7.67	56	9943	1.26	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	41005	3.64	ug/l #	48
38) Carbon Tetrachloride	7.67	117	54146	4.75	ug/l #	16
43) Isopropyl Acetate	8.28	43	29491	2.65	ug/l #	60
70) Styrene	11.96	104	205	1.28	ug/l #	46
71) Bromoform	12.40	173	1243	0.23	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.41	83	67	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	162829	35.61	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	162829	120.39	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	357	4.15	ug/l #	60
94) Hexachlorobutadiene	15.02	225	31	Below Cal	#	1
95) Naphthalene	15.13	128	1353	5.52	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.32	180	667	3.43	ug/l #	66

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050889.D

Acq: 27 Aug 2018 11:16

Instrument :

MSVOA_N

ClientSampleId :

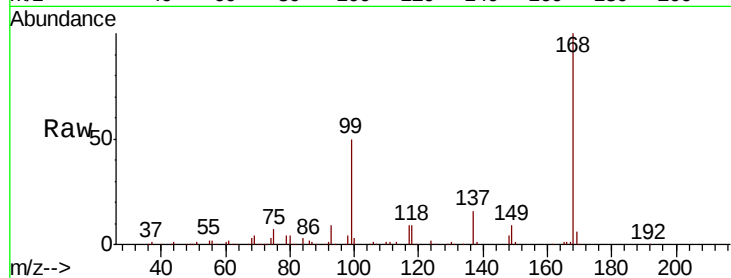
VN0827MBL01

Tot Ion:168 Resp: 606023

Ion Ratio Lower Upper

168 100

99 50.0 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

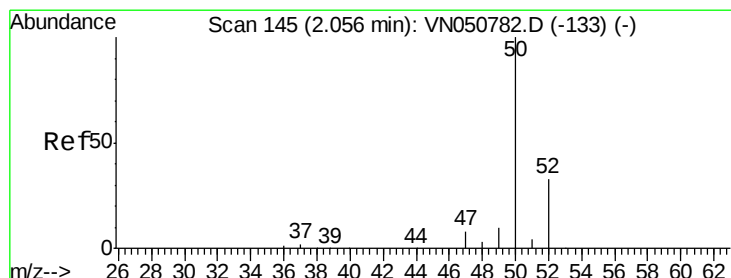
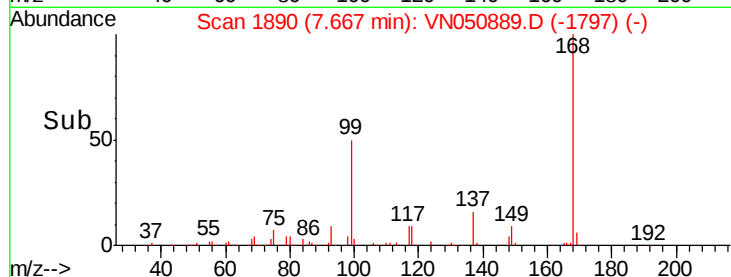
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.27 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050889.D

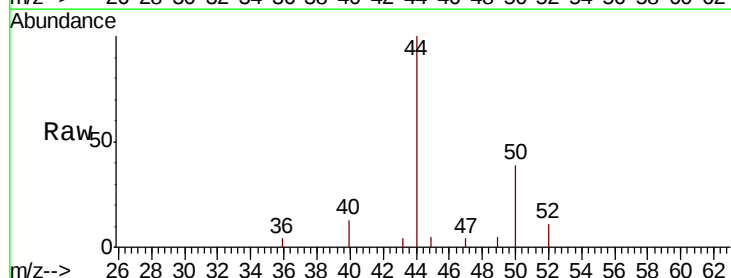
Acq: 27 Aug 2018 11:16

Tgt Ion: 50 Resp: 2717

Ion Ratio Lower Upper

50 100

52 28.1 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

2000

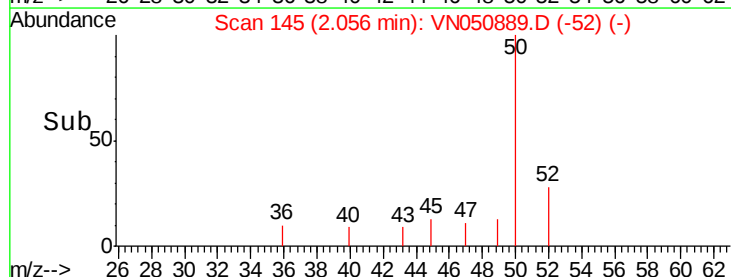
1500

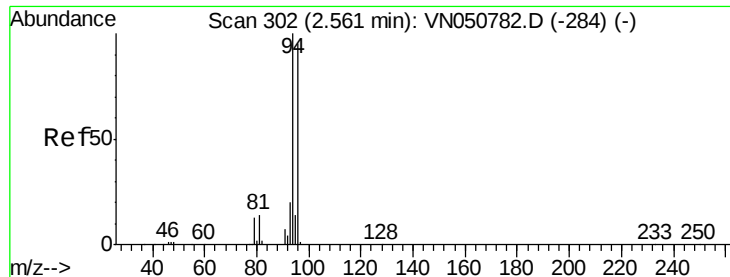
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050889.D

Acq: 27 Aug 2018 11:16

Instrument :

MSVOA_N

ClientSampleId :

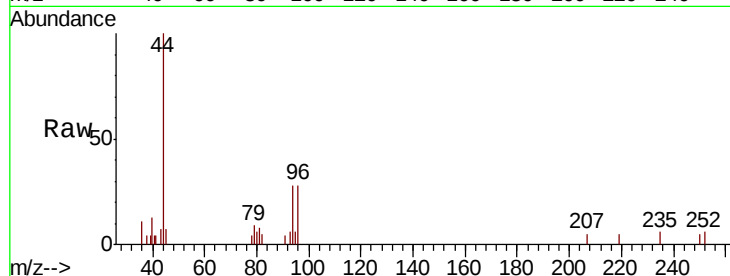
VN0827MBL01

Tot Ion: 94 Resp: 2806

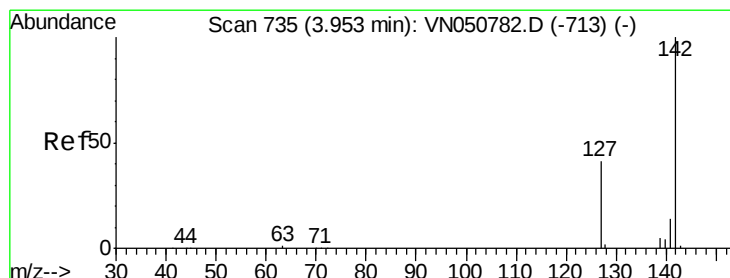
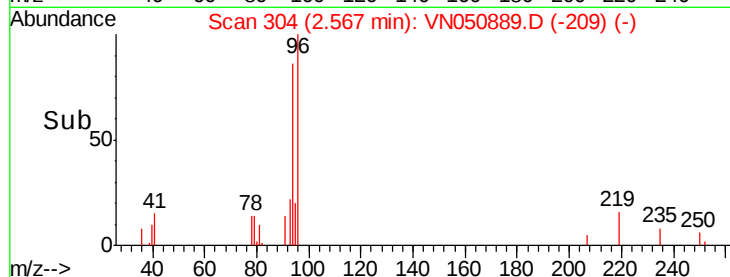
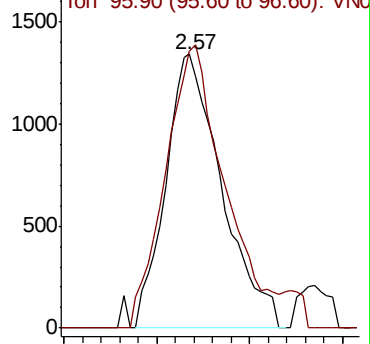
Ion Ratio Lower Upper

94 100

96 89.8 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN050889.D (-209) (-)



#10

Methyl Iodide

Concen: 6.38 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

Lab File: VN050889.D

Acq: 27 Aug 2018 11:16

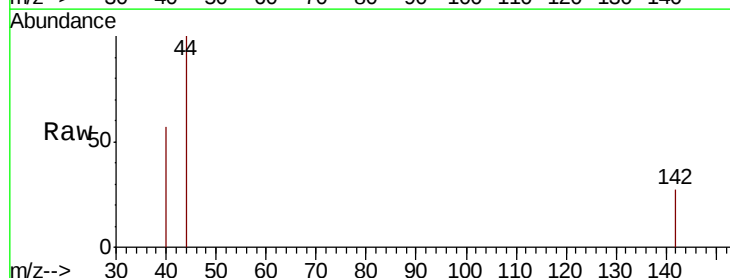
Tgt Ion: 142 Resp: 326

Ion Ratio Lower Upper

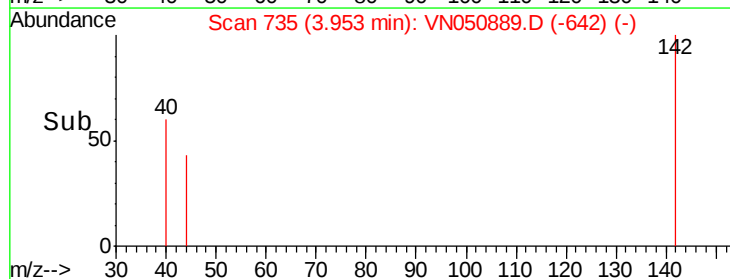
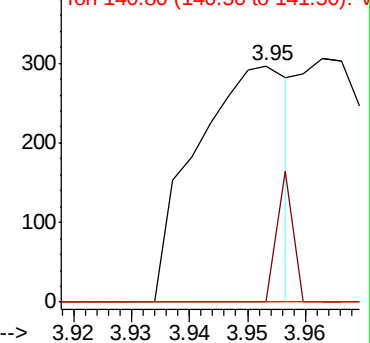
142 100

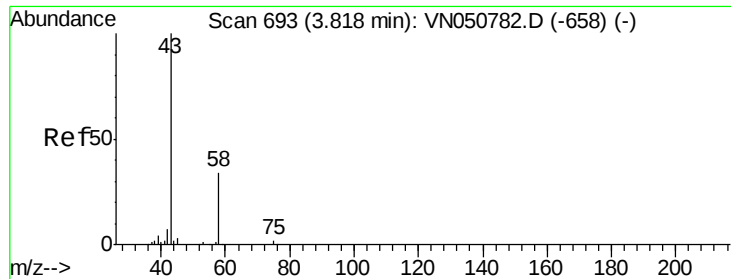
127 9.8 31.7 47.5#

141 0.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): VN050889.D (-642) (-)

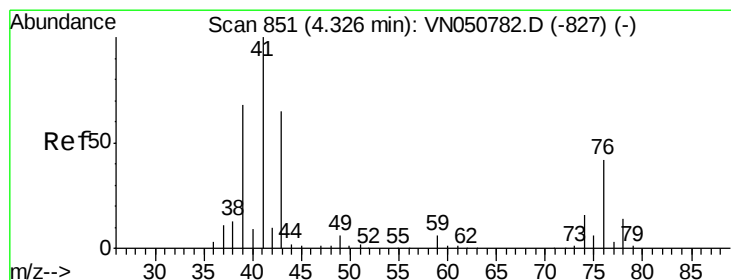
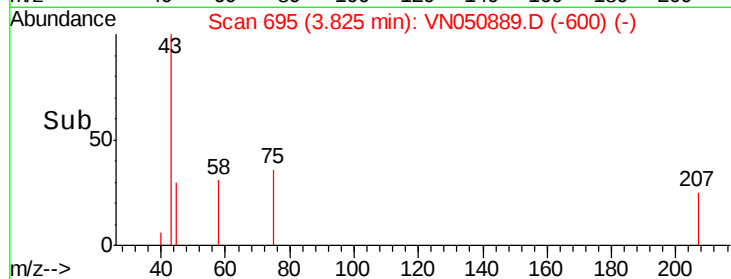
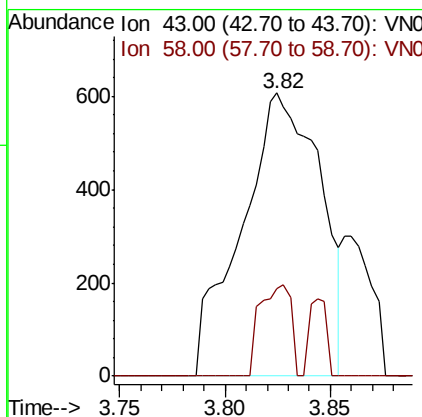
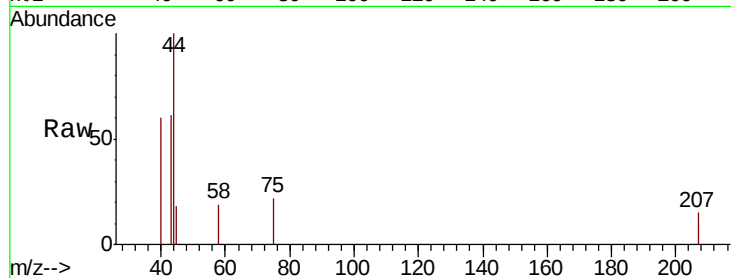




#16
Acetone
Concen: Below Cal
RT: 3.82 min Scan# 695
Delta R.T. 0.01 min
Lab File: VN050889.D
Acq: 27 Aug 2018 11:16

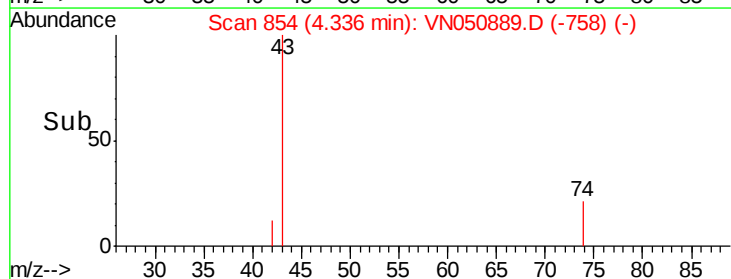
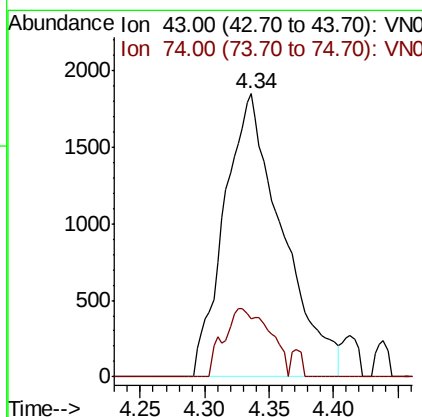
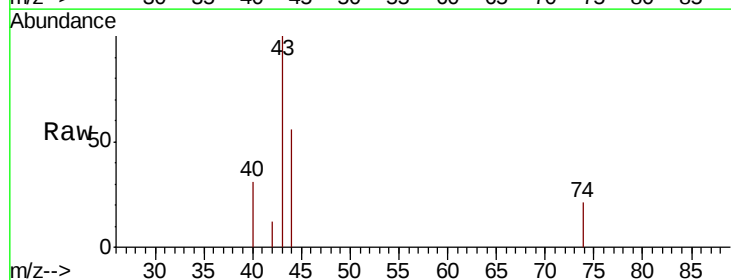
Instrument :
MSVOA_N
ClientSampled :
VN0827MBL01

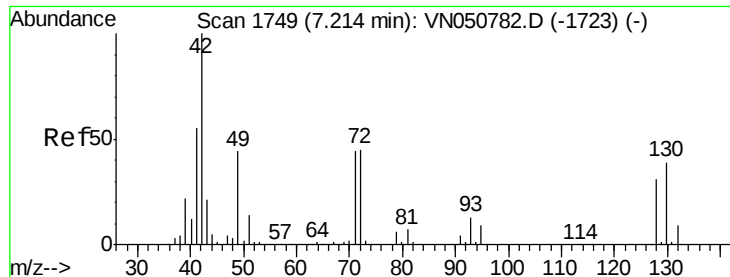
Tot Ion: 43 Resp: 1576
Ion Ratio Lower Upper
43 100
58 30.8 27.2 40.8



#18
Methyl Acetate
Concen: 0.84 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN050889.D
Acq: 27 Aug 2018 11:16

Tgt Ion: 43 Resp: 5756
Ion Ratio Lower Upper
43 100
74 19.1 19.8 29.8#





#29

Tetrahydrofuran

Concen: 0.31 ug/l

RT: 7.22 min Scan# 1751

Delta R.T. 0.01 min

Lab File: VN050889.D

Acq: 27 Aug 2018 11:16

Instrument :

MSVOA_N

ClientSampleId :

VN0827MBL01

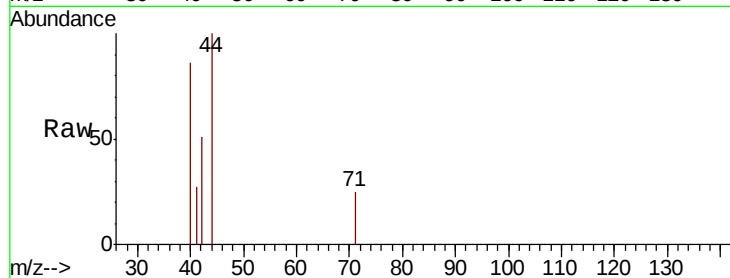
Tot Ion: 42 Resp: 528

Ion Ratio Lower Upper

42 100

72 0.0 35.5 53.3#

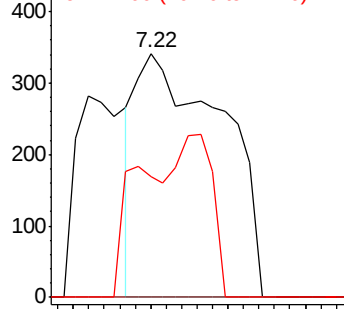
71 25.2 33.7 50.5#



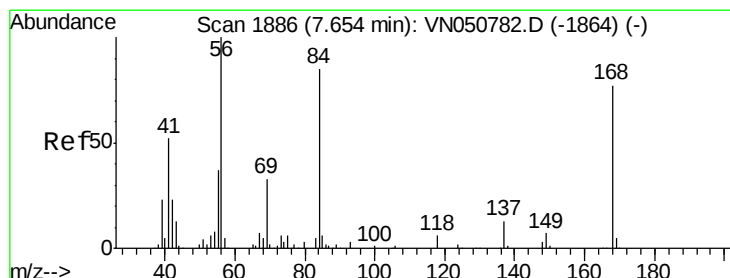
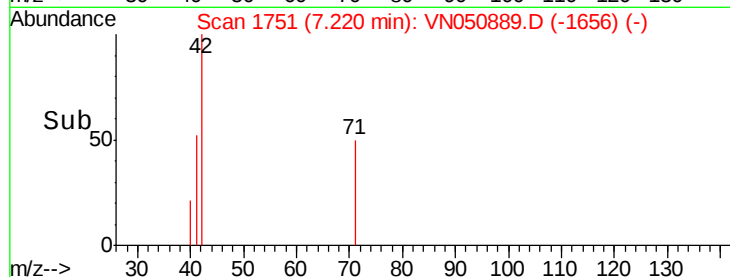
Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



Time-->



#31

Cyclohexane

Concen: 1.26 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050889.D

Acq: 27 Aug 2018 11:16

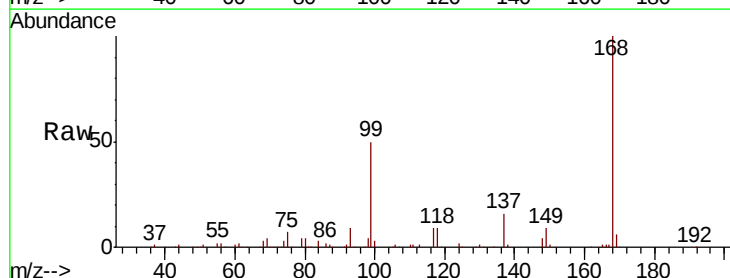
Tgt Ion: 56 Resp: 9943

Ion Ratio Lower Upper

56 100

69 205.7 26.2 39.4#

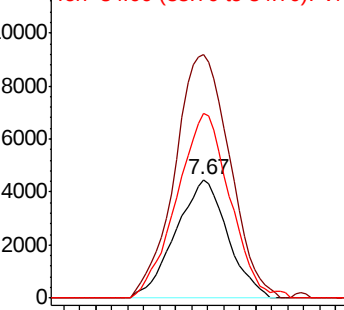
84 155.9 68.3 102.5#



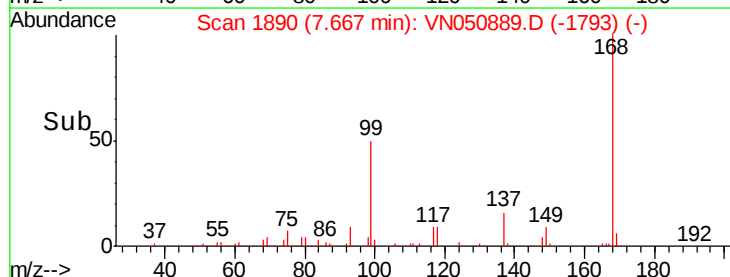
Abundance Ion 56.00 (55.70 to 56.70): VN0

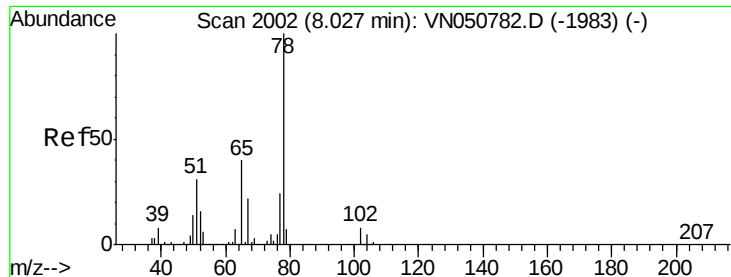
Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



Time-->

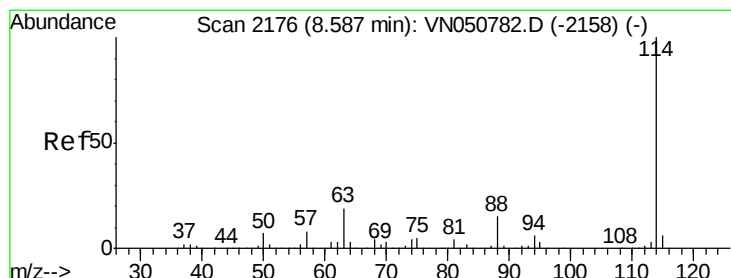
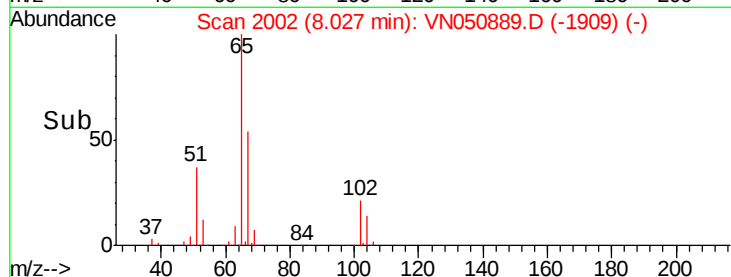
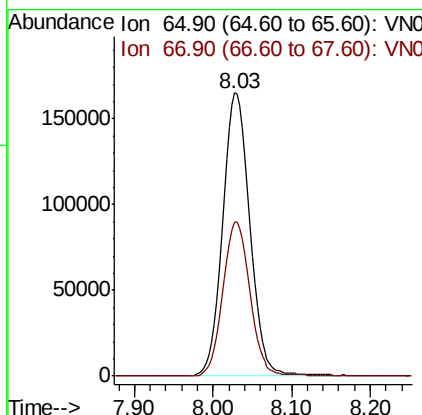
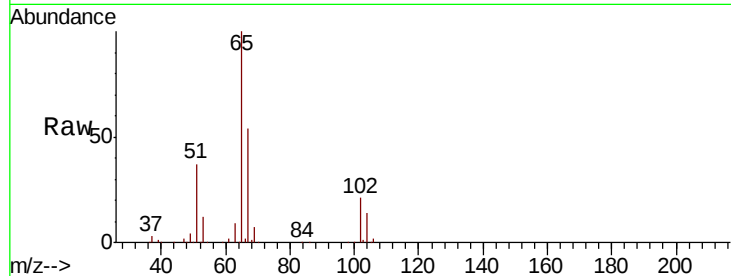




#33
 1,2-Dichloroethane-d4
 Concen: 54.04 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050889.D
 Acq: 27 Aug 2018 11:16

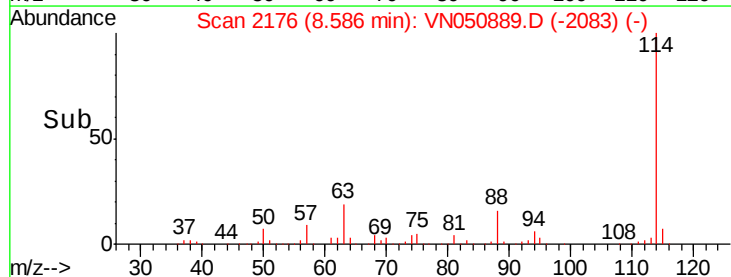
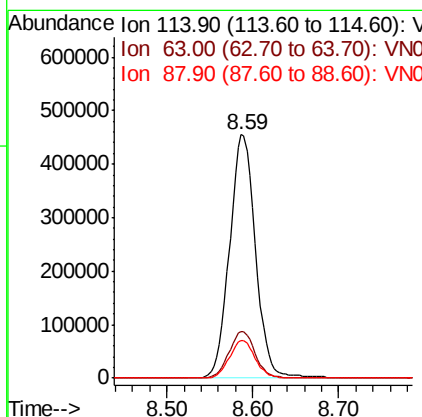
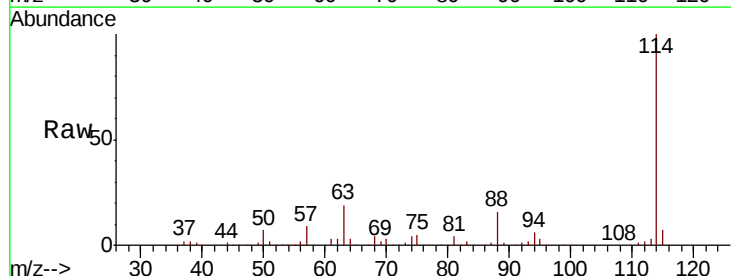
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827MBL01

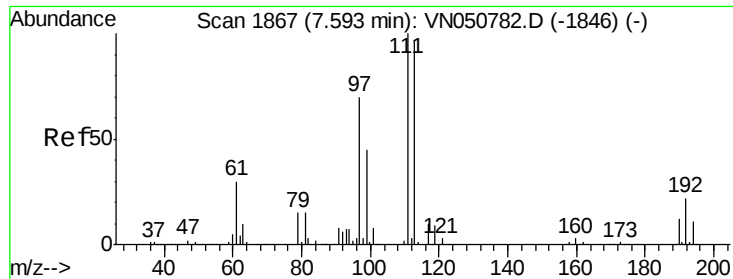
Tot Ion: 65 Resp: 394279
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050889.D
 Acq: 27 Aug 2018 11:16

Tgt Ion: 114 Resp: 954942
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.6
 88 15.6 0.0 30.6

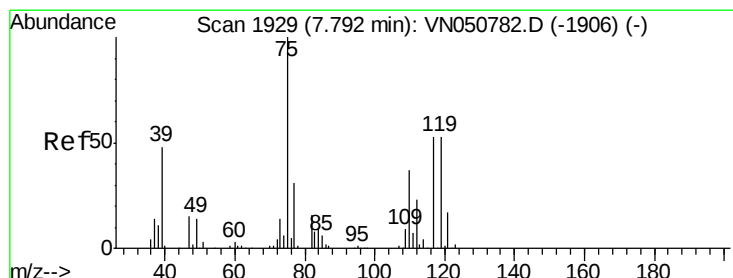
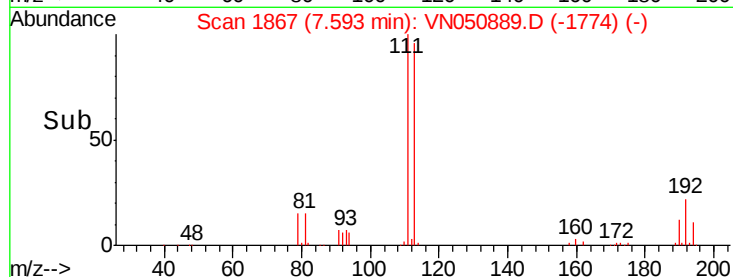
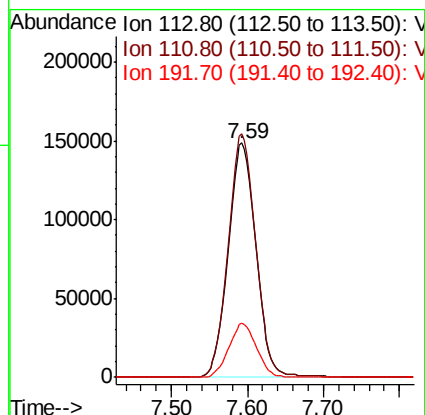
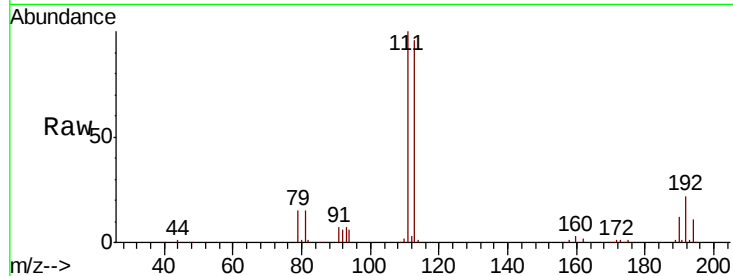




#35
 Dibromofluoromethane
 Concen: 49.92 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050889.D
 Acq: 27 Aug 2018 11:16

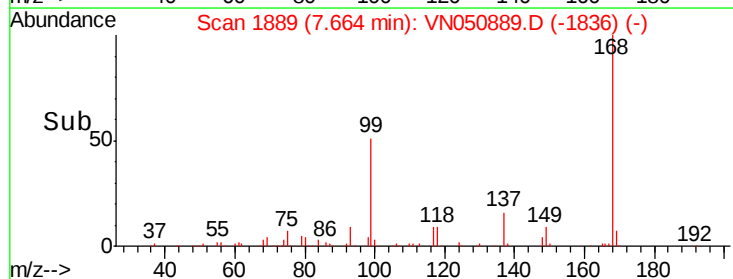
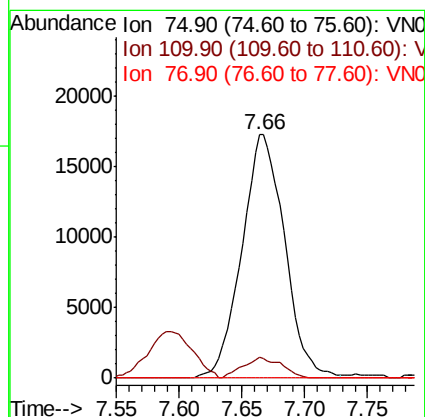
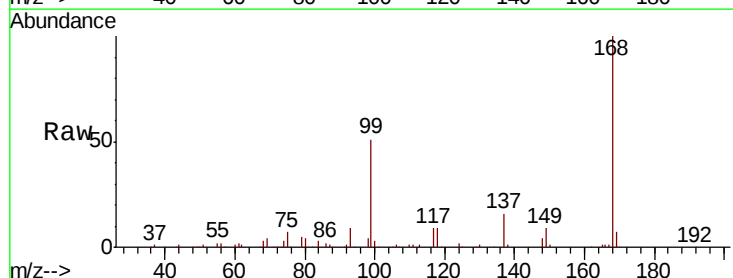
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827MBL01

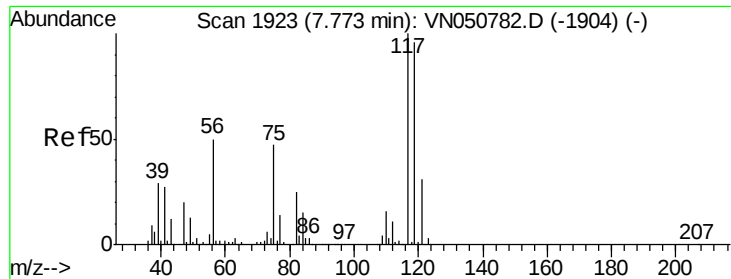
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.6	123.8
192	22.8	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 3.64 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. -0.13 min
 Lab File: VN050889.D
 Acq: 27 Aug 2018 11:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.7	18.1	54.4#
77	0.0	24.8	37.2#

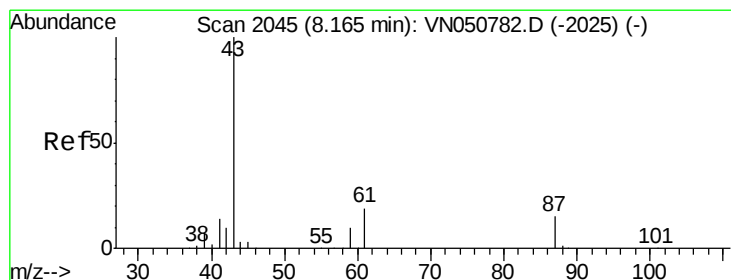
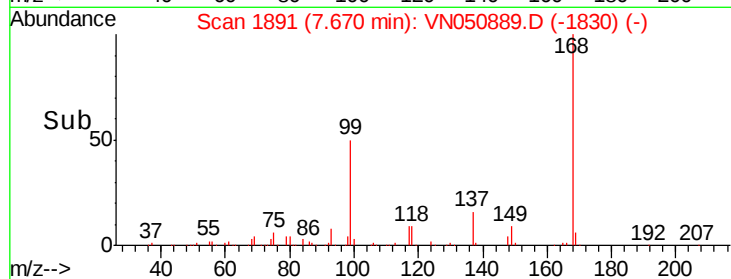
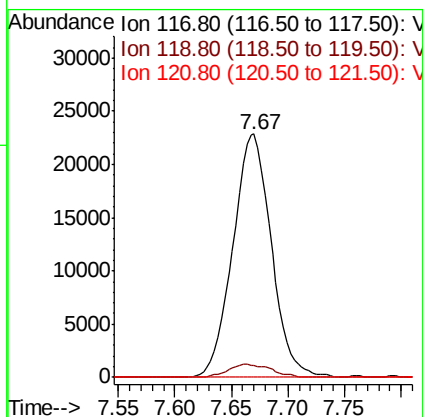
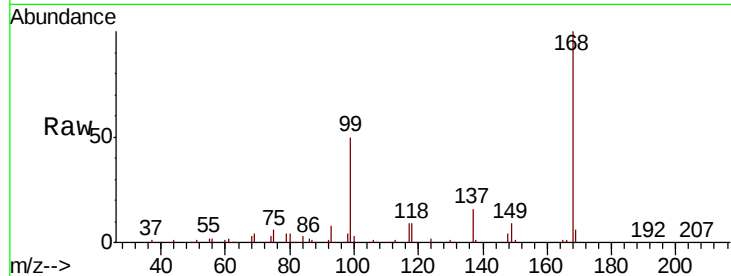




#38
Carbon Tetrachloride
Concen: 4.75 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.10 min
Lab File: VN050889.D
Acq: 27 Aug 2018 11:16

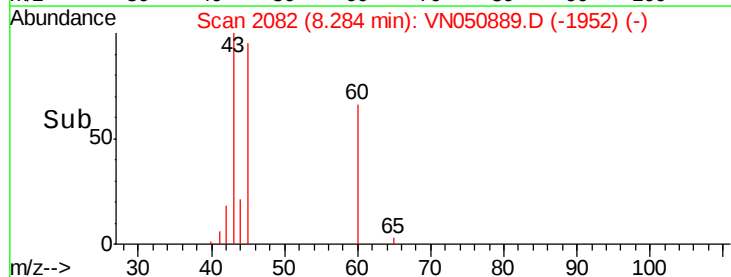
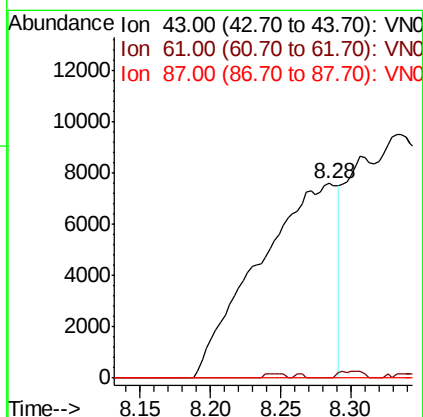
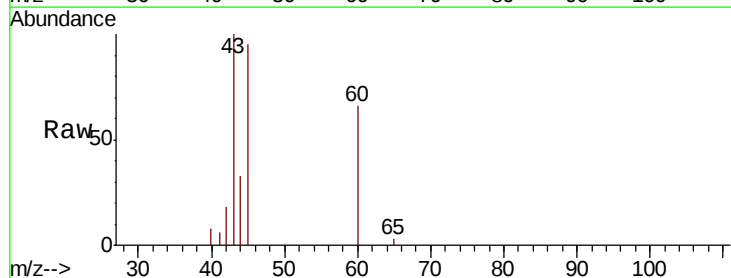
Instrument :
MSVOA_N
ClientSampled :
VN0827MBL01

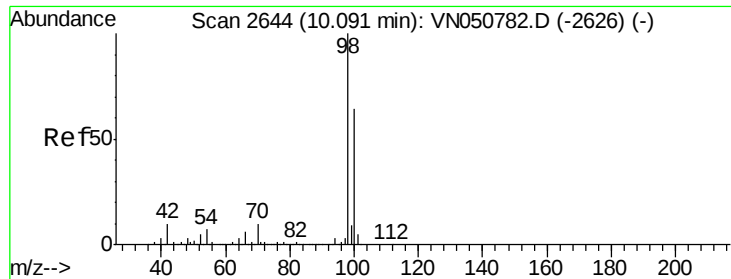
Tot Ion:117 Resp: 54146
Ion Ratio Lower Upper
117 100
119 4.7 76.3 114.5#
121 0.0 24.6 36.8#



#43
Isopropyl Acetate
Concen: 2.65 ug/l
RT: 8.28 min Scan# 2082
Delta R.T. 0.12 min
Lab File: VN050889.D
Acq: 27 Aug 2018 11:16

Tgt Ion: 43 Resp: 29491
Ion Ratio Lower Upper
43 100
61 1.1 17.5 26.3#
87 0.0 11.3 16.9#





#50

Toluene-d8

Concen: 47.29 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050889.D

Acq: 27 Aug 2018 11:16

Instrument :

MSVOA_N

ClientSampleId :

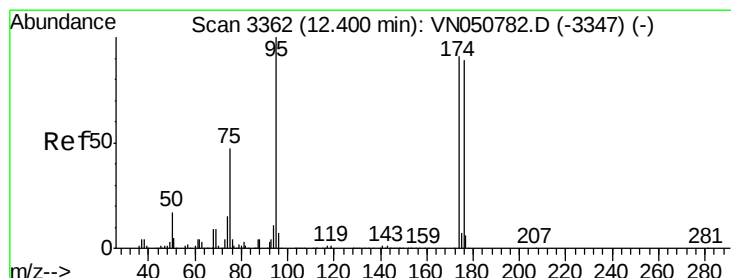
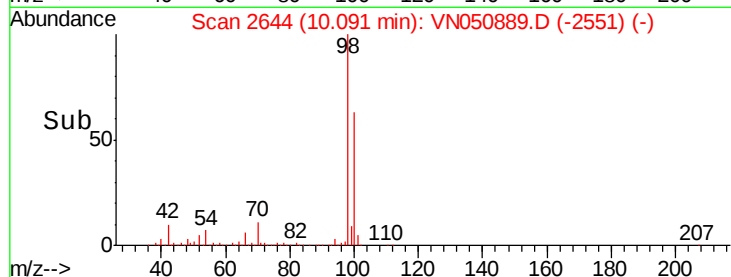
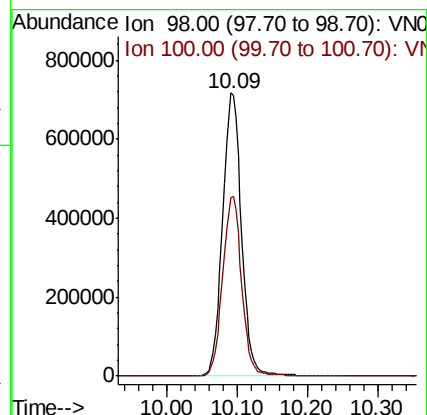
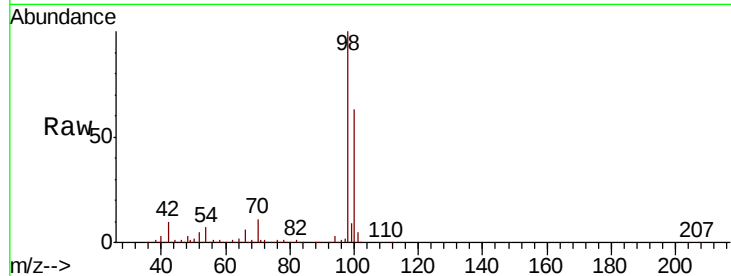
VN0827MBL01

Tot Ion: 98 Resp: 1343324

Ion Ratio Lower Upper

98 100

100 63.6 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 36.76 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050889.D

Acq: 27 Aug 2018 11:16

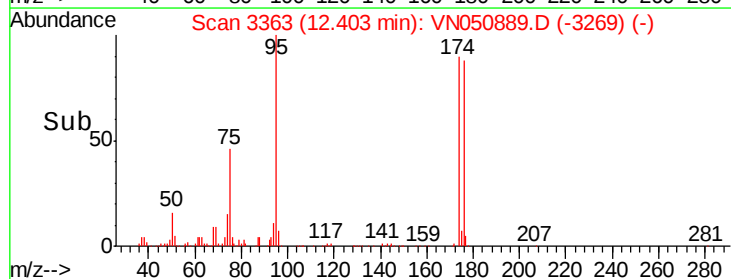
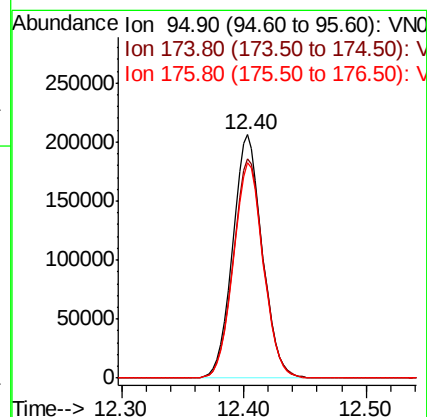
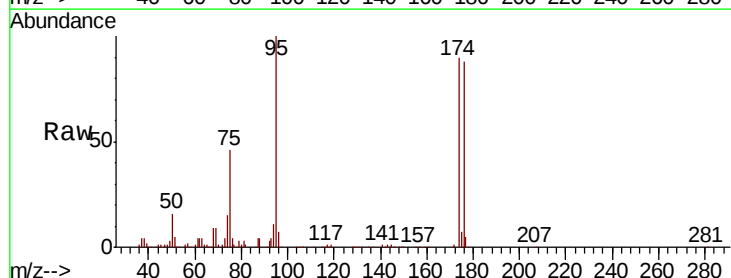
Tgt Ion: 95 Resp: 346954

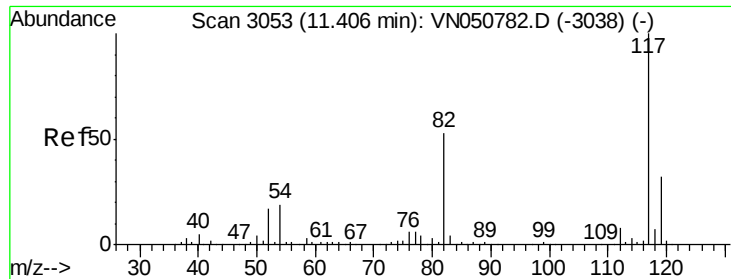
Ion Ratio Lower Upper

95 100

174 92.3 0.0 183.0

176 89.6 0.0 178.8

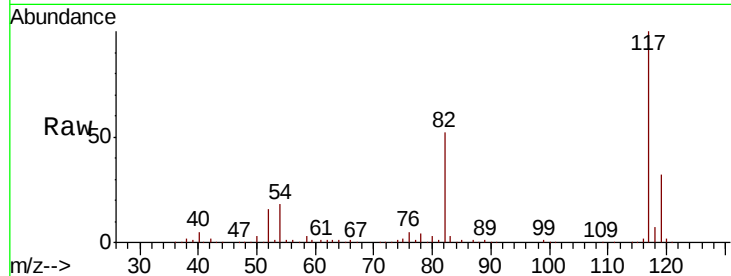




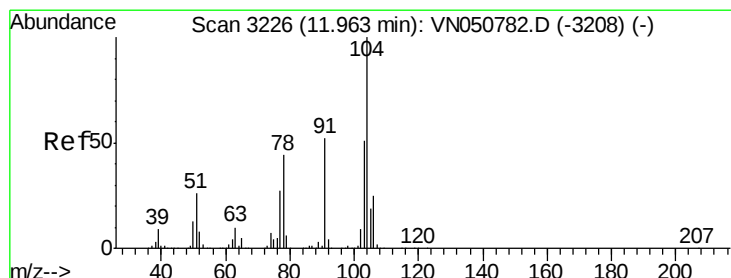
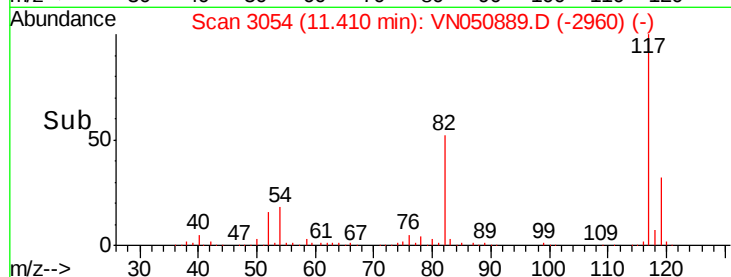
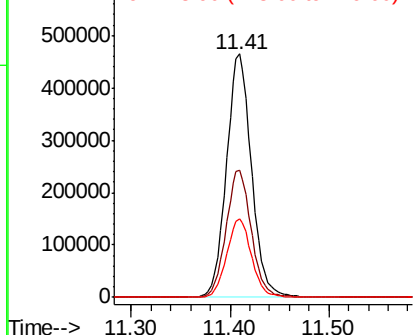
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050889.D
Acq: 27 Aug 2018 11:16

Instrument :
MSVOA_N
ClientSampled :
VN0827MBL01

Tot Ion:117 Resp: 824034
Ion Ratio Lower Upper
117 100
82 52.3 42.6 64.0
119 32.3 25.8 38.6

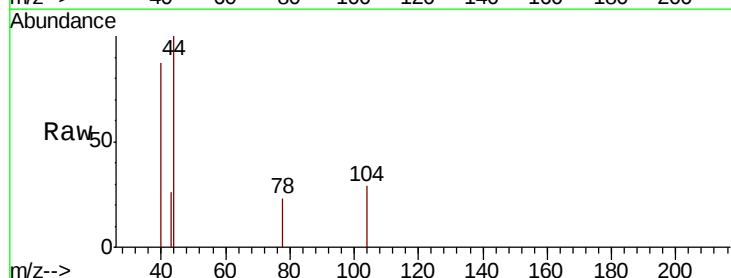


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN0
Ion 118.90 (118.60 to 119.60): V

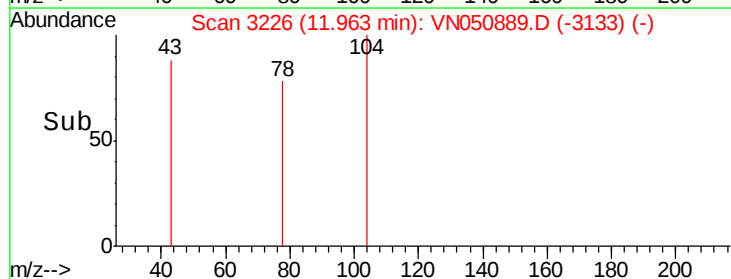
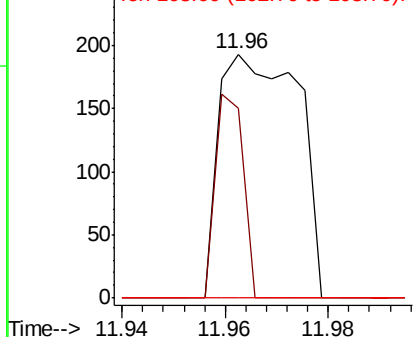


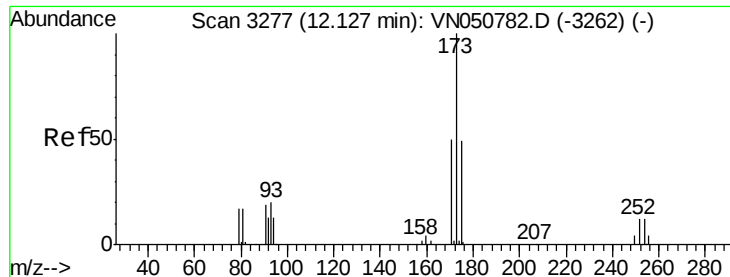
#70
Styrene
Concen: 1.28 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050889.D
Acq: 27 Aug 2018 11:16

Tgt Ion:104 Resp: 205
Ion Ratio Lower Upper
104 100
78 29.3 38.2 57.4#
103 0.0 44.4 66.6#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.23 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.27 min

Lab File: VN050889.D

Acq: 27 Aug 2018 11:16

Instrument :

MSVOA_N

ClientSampleId :

VN0827MBL01

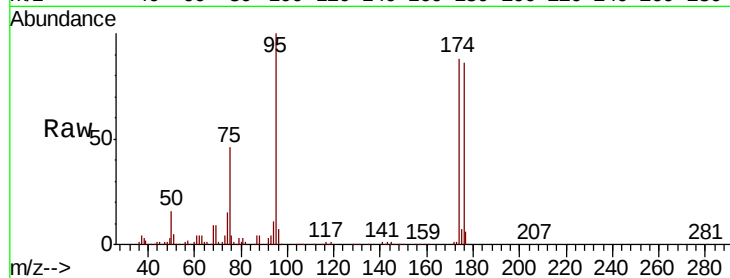
Tot Ion:173 Resp: 1243

Ion Ratio Lower Upper

173 100

175 1576.3 24.4 73.4#

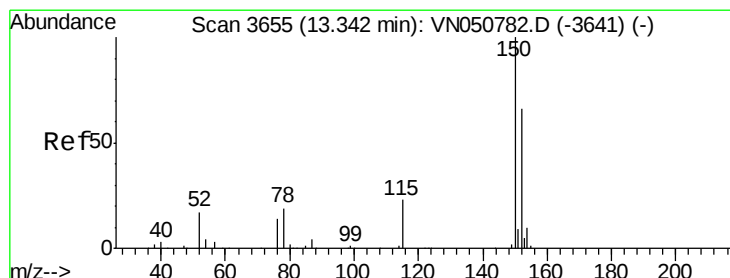
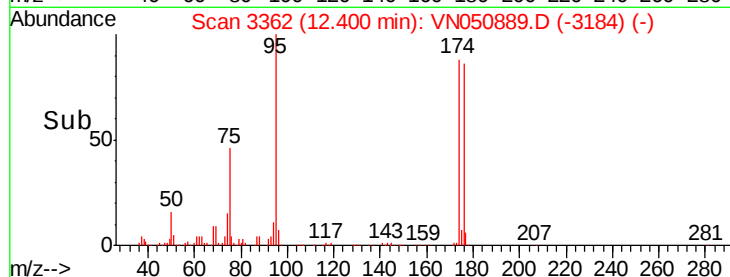
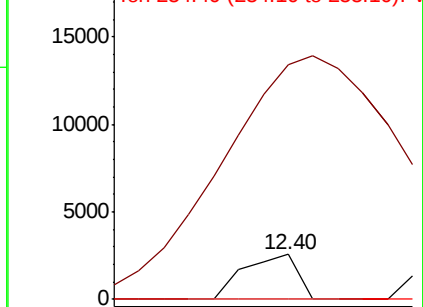
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050889.D

Acq: 27 Aug 2018 11:16

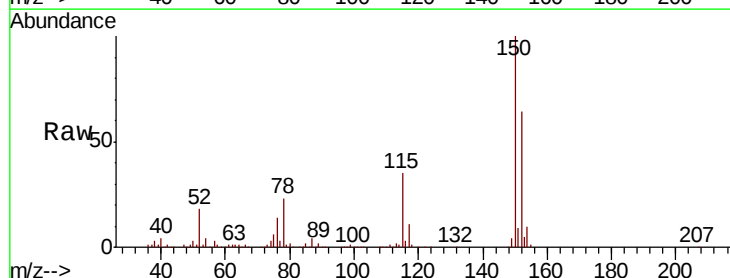
Tgt Ion:152 Resp: 261042

Ion Ratio Lower Upper

152 100

115 54.9 27.8 83.4

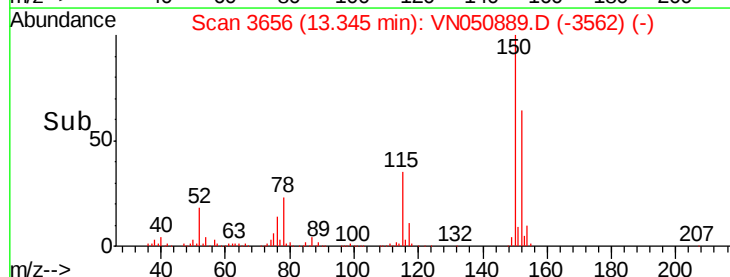
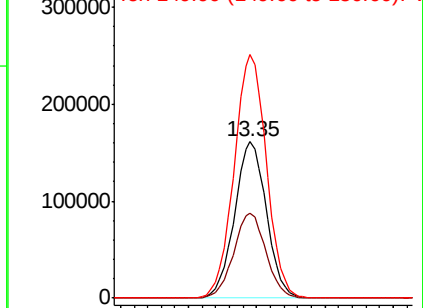
150 157.6 0.0 351.4

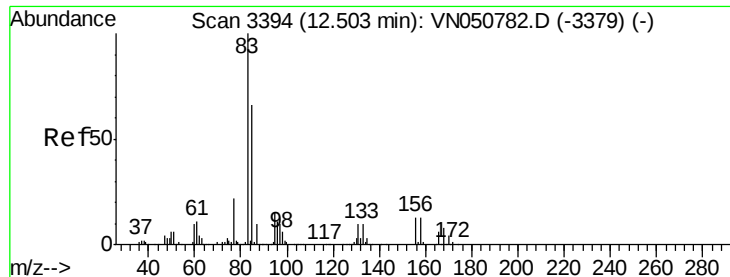


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3365

Delta R.T. -0.09 min

Lab File: VN050889.D

Acq: 27 Aug 2018 11:16

Instrument :

MSVOA_N

ClientSampleId :

VN0827MBL01

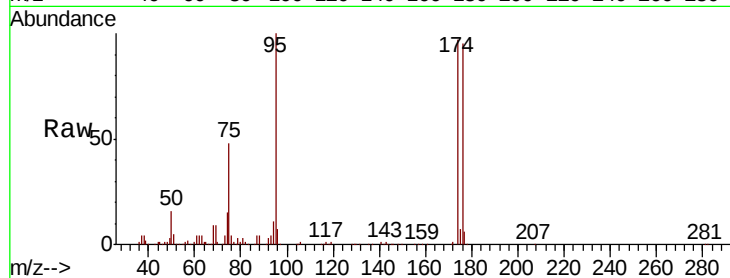
Tot Ion: 83 Resp: 67

Ion Ratio Lower Upper

83 100

131 522.4 5.3 15.9#

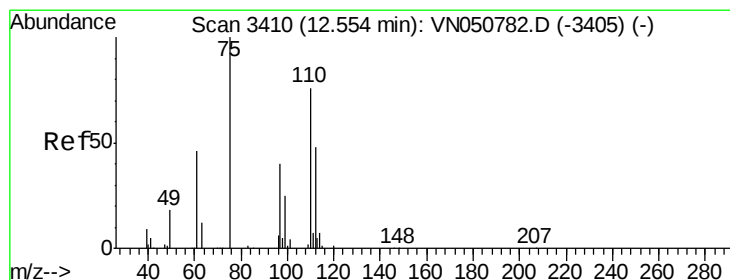
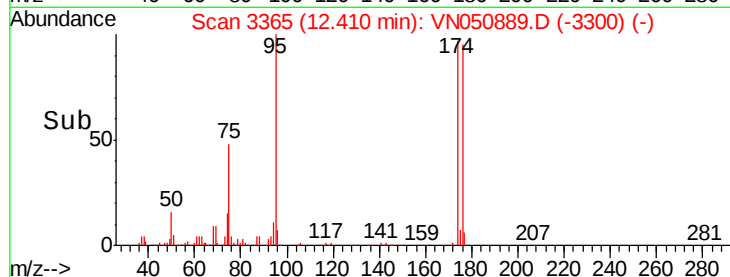
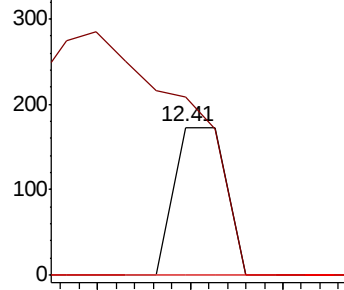
85 0.0 31.9 95.7#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 35.61 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050889.D

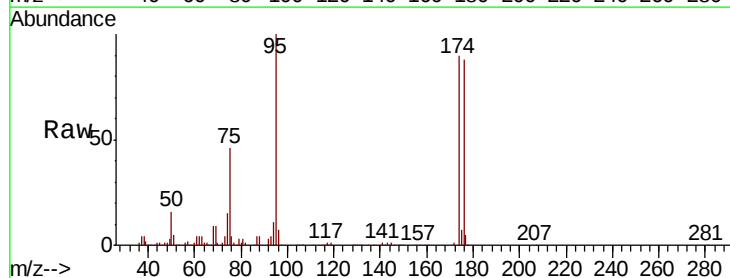
Acq: 27 Aug 2018 11:16

Tgt Ion: 75 Resp: 162829

Ion Ratio Lower Upper

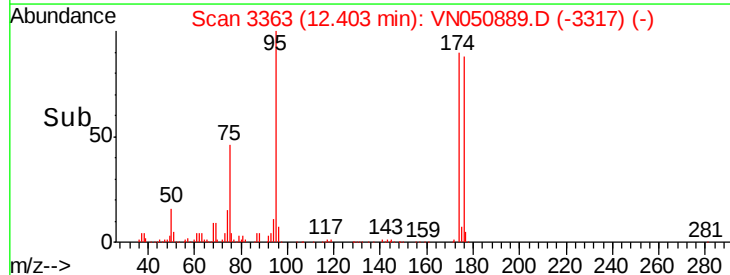
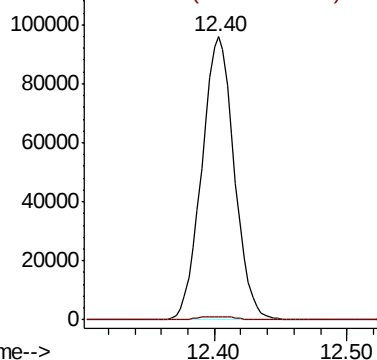
75 100

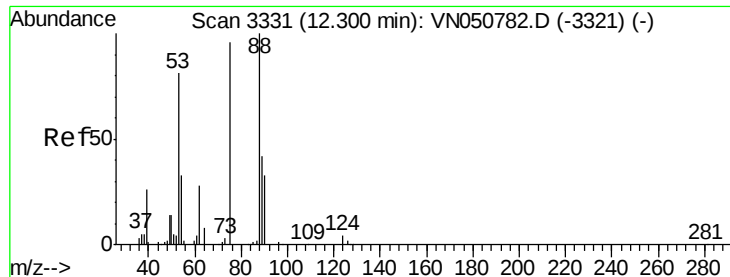
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 120.39 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050889.D

Acq: 27 Aug 2018 11:16

Instrument :

MSVOA_N

ClientSampleId :

VN0827MBL01

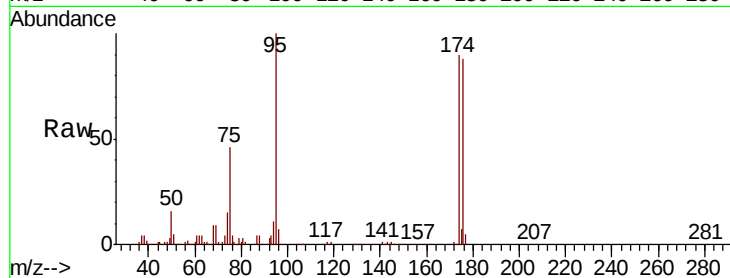
Tot Ion: 75 Resp: 162829

Ion Ratio Lower Upper

75 100

53 0.1 68.9 103.3#

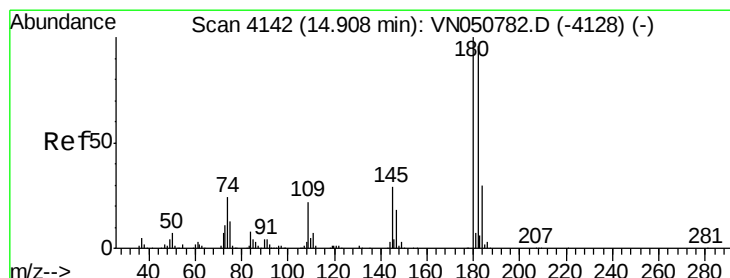
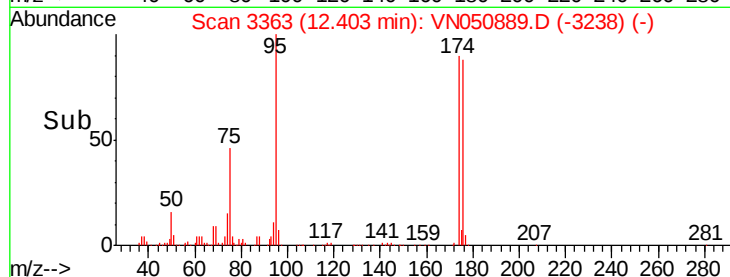
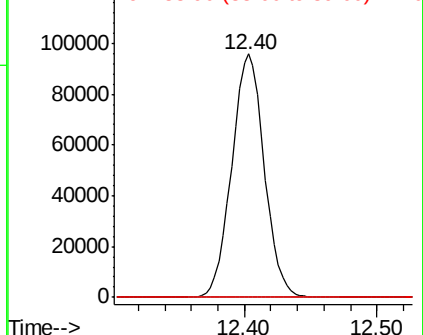
89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#93

1,2,4-Trichlorobenzene

Concen: 4.15 ug/l

RT: 14.91 min Scan# 4144

Delta R.T. 0.01 min

Lab File: VN050889.D

Acq: 27 Aug 2018 11:16

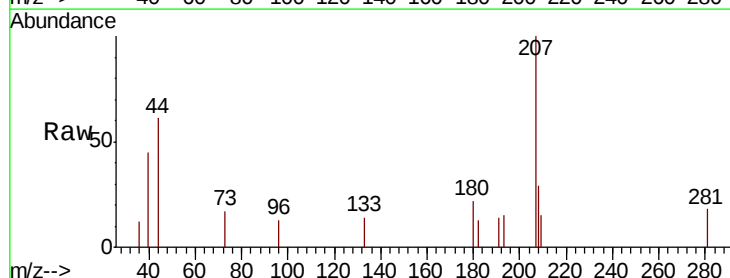
Tgt Ion: 180 Resp: 357

Ion Ratio Lower Upper

180 100

182 61.1 48.2 144.6

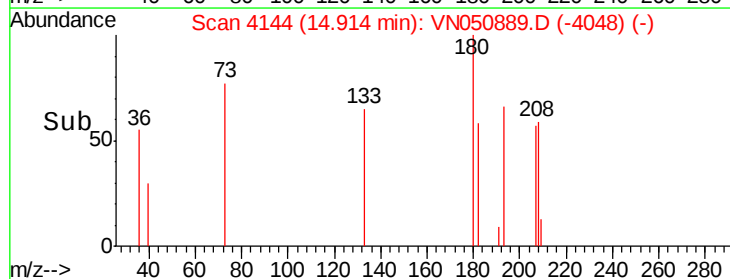
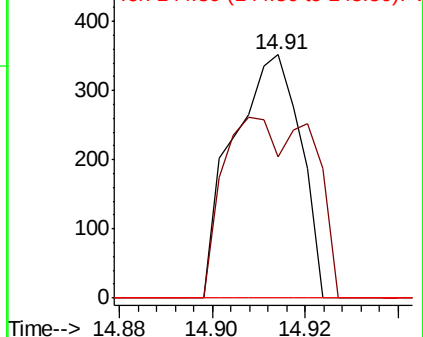
145 0.0 14.1 42.2#

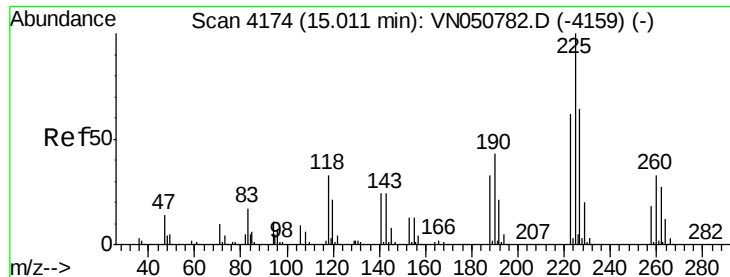


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.02 min Scan# 4177

Delta R.T. 0.01 min

Lab File: VN050889.D

Acq: 27 Aug 2018 11:16

Instrument :

MSVOA_N

ClientSampleId :

VN0827MBL01

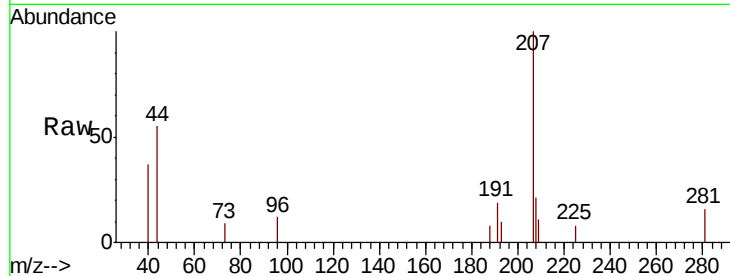
Tot Ion:225 Resp: 31

Ion Ratio Lower Upper

225 100

223 196.8 31.3 93.8#

227 767.7 32.0 96.2#

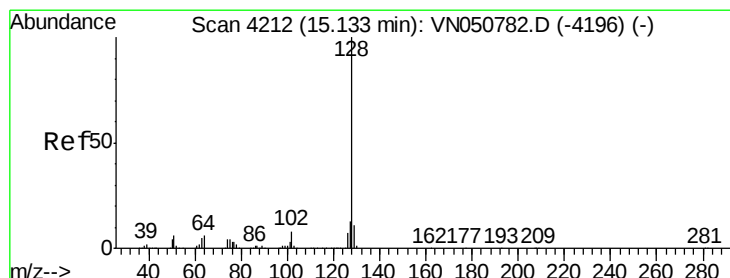
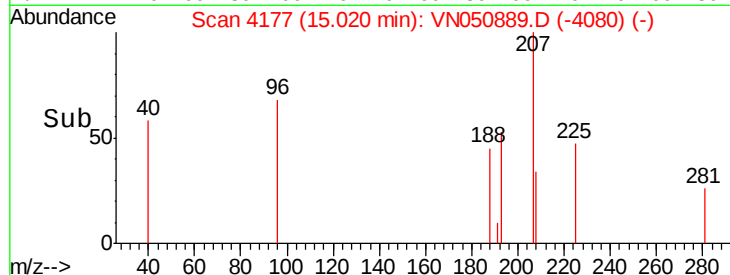
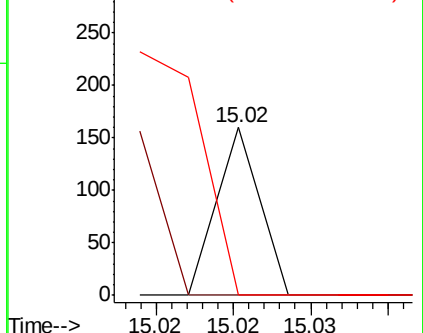


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 5.52 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050889.D

Acq: 27 Aug 2018 11:16

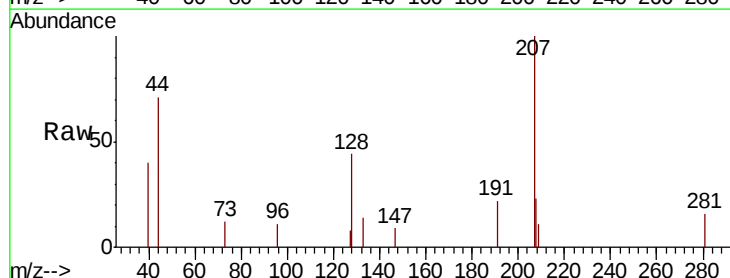
Tgt Ion:128 Resp: 1353

Ion Ratio Lower Upper

128 100

127 7.9 10.5 15.7#

129 0.0 8.7 13.1#

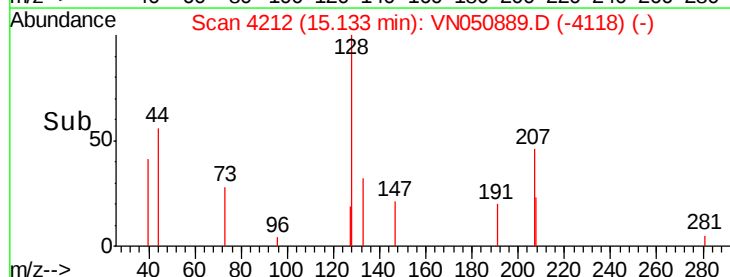
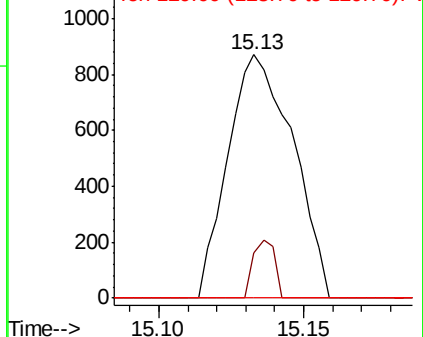


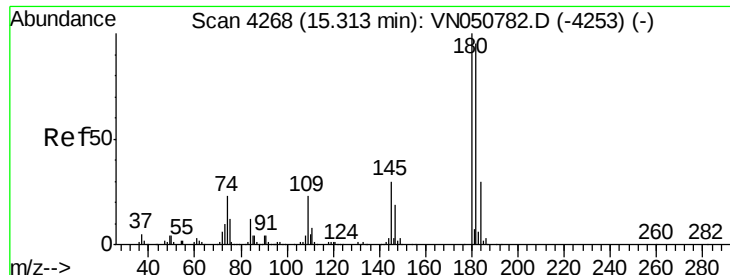
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 3.43 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050889.D

Acq: 27 Aug 2018 11:16

Instrument :

MSVOA_N

ClientSampleId :

VN0827MBL01

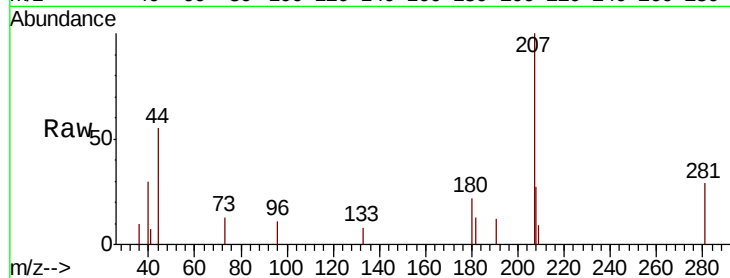
Tot Ion:180 Resp: 667

Ion Ratio Lower Upper

180 100

182 69.6 48.0 144.2

145 0.0 15.2 45.6#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

